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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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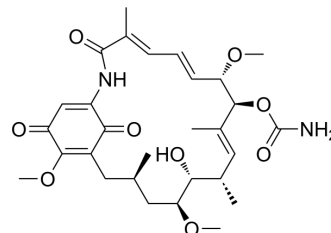
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Geldanamycin (Standard)

Cat. No.:	HY-15230R
CAS No.:	30562-34-6
Molecular Formula:	C ₂₉ H ₄₀ N ₂ O ₉
Molecular Weight:	560.64
Target:	Bacterial; Antibiotic; HSP; Influenza Virus
Pathway:	Anti-infection; Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Geldanamycin (Standard) is the analytical standard of Geldanamycin. This product is intended for research and analytical applications. Geldanamycin is a Hsp90 inhibitor with antimicrobial activity against many Gram-positive and some Gram-negative bacteria. Geldanamycin has anti-influenza virus H5N1 activities.
IC₅₀ & Target	Kd: 1.2 μM (Hsp90) ^[4]

REFERENCES

- [1]. Tang HB, et al. Viperin inhibits rabies virus replication via reduced cholesterol and sphingomyelin and is regulated upstream by TLR4. *Sci Rep.* 2016 Jul 26;6:30529
- [2]. Chen WW, et al. RIP1 mediates the protection of Geldanamycin on neuronal injury induced by oxygen-glucosedeprivation combined with zVAD in primary cortical neurons. *J Neurochem.* 2012 Jan;120(1):70-7.
- [3]. Lin Z, et al. 17-ABAG, a novel Geldanamycin derivative, inhibits LNCaP-cell proliferation through heat shock protein 90 inhibition. *Int J Mol Med.* 2015 Aug;36(2):424-32.
- [4]. Roe SM, et al. Structural basis for inhibition of the Hsp90 molecular chaperone by the antitumor antibiotics radicicol and geldanamycin. *J Med Chem.* 1999 Jan 28;42(2):260-6.
- [5]. Wang C, et al. Geldanamycin Reduces Acute Respiratory Distress Syndrome and Promotes the Survival of Mice Infected with the Highly Virulent H5N1 Influenza Virus. *Front Cell Infect Microbiol.* 2017 Jun 15;7:267.

Caution: Product has not been fully validated for medical applications. For research use only.

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